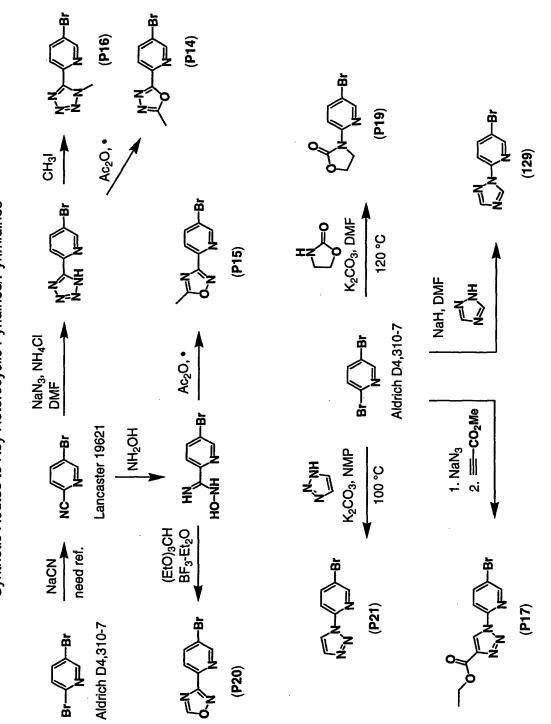
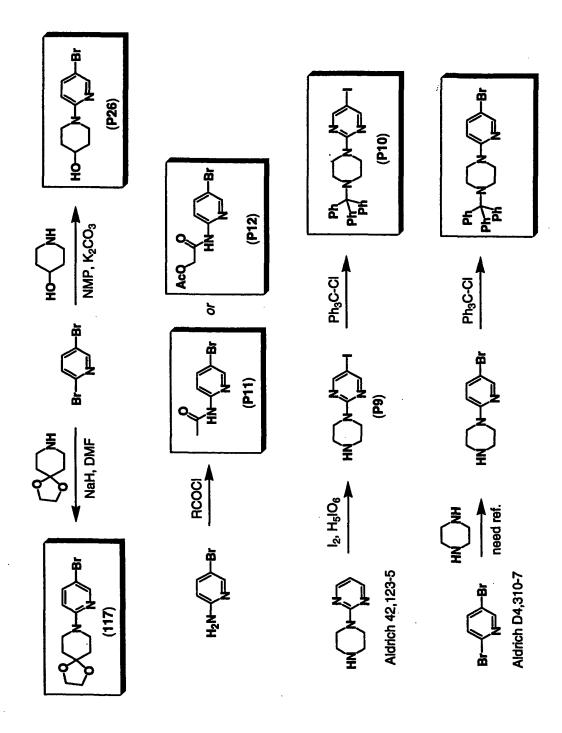
C-5 Carboxamides

C-5 Ester

Synthetic Routes to Key Heterocyclic Pyridines/Pyrimidines



Synthetic Routes to Key Heterocyclic Pyridines/Pyrimidines

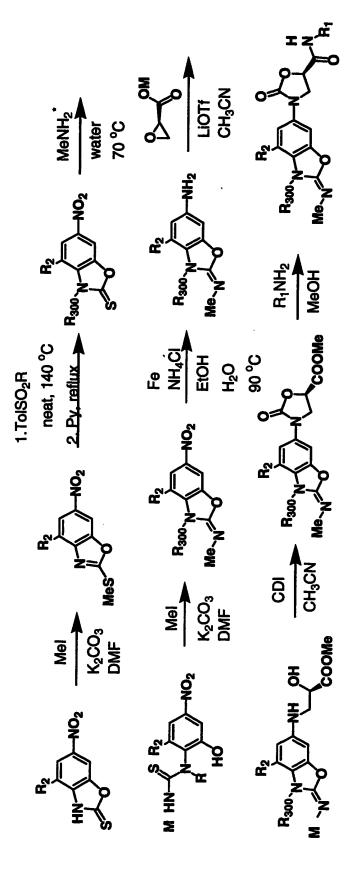


1. MsCl, or Tf₂O

2. DBU

WO 97/30995

Alternate route:



RaRbN-= H2N

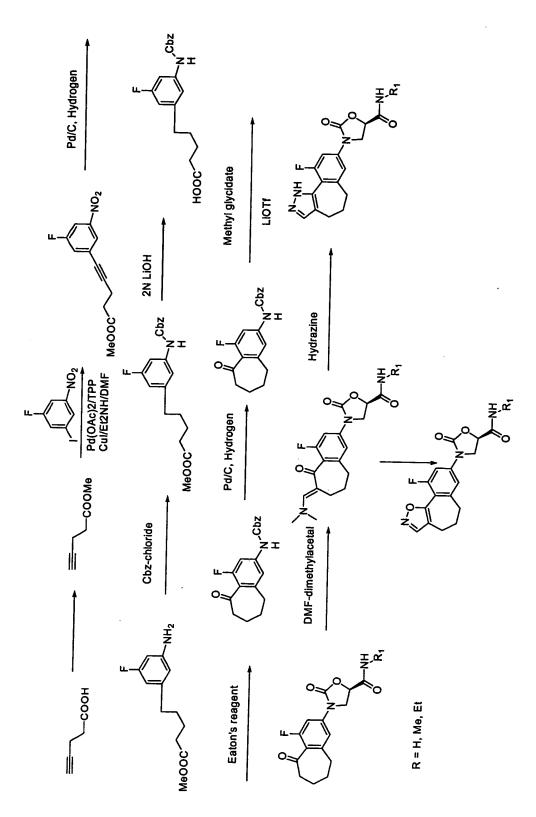
RaRbn-=
$$H_2N^{\frac{1}{2}}HO_{N}^{\frac{1}{2}}$$
 $HO_{N}^{\frac{1}{2}}$ $HO_{N}^{\frac{1}{2}}$ $HO_{N}^{\frac{1}{2}}$ $HO_{N}^{\frac{1}{2}}$ $HO_{N}^{\frac{1}{2}}$ $HO_{N}^{\frac{1}{2}}$ $HO_{N}^{\frac{1}{2}}$

R = H, Me, Et X = F

$$Y = NC(O)CH_2OH$$
, SO_n
 $X = H$, F
 X

CH₂Cl₂

X = H, F



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Hydrazine